



02-03-05

2811

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January 30, 2003

Commissioner For Patents  
Washington, D.C. 20231

Re: Applicant(s): Daniel A. Steigerwald; Michael J. Ludowise; Steven A. Maranowski; Serge L. Rudaz; Jerome C. Bhat  
Assignee: Lumileds Lighting U.S., LLC  
Title: Light Emitting Semiconductor Method And Device  
Serial No.: 09/652,194  
Examiner: Sara W. Crane  
Docket No.: LML-187/704

Filed: August 31, 2000  
Group Art Unit: 2811

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) This Transmittal Letter (1 page);
- (2) Petition for Extension of Time (1 page);
- (3) Response to Office Action (11 pages).

- ☐ No additional fee is required.  
☒ The fee has been calculated as shown below:

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	Claims Remaining <u>After Amendment</u>		Highest No. Previously Paid For		Present Extra	Rate		Additional Fee
Total Claims	35	Minus	50	=	0	x \$18	\$	0.00
Independent Claims	5	Minus	3	=	2	x \$84	\$	168.00
<input type="checkbox"/>	Fee of _____ for the first filing of one or more multiple dependent claims per application							\$
<input checked="" type="checkbox"/>	<b>Petition for Extension of Time Fee (2 mos.)</b>							410.00
<input checked="" type="checkbox"/>	Please charge our Deposit Account No. 502226 in the amount of							578.00
<input checked="" type="checkbox"/>	Also, charge any additional fees required and credit any overpayment to our Deposit Account No. 502226.							
							<b>Total:</b>	<b>\$ 578.00</b>

EXPRESS MAIL LABEL NO:

EV 211853963 US

Respectfully submitted,

Rachel V. Leiterman  
Attorney for Applicant(s)  
Reg. No. 46,868



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Daniel A. Steigerwald; Michael J. Ludowise; Steven A. Maranowski;  
Serge L. Rudaz; Jerome C. Bhat  
Assignee: Lumileds Lighting U.S. LLC  
Title: Light Emitting Semiconductor Method And Device  
Serial No.: 09/652,194 Filing Date: August 21, 2000  
Examiner: Sara W. Crane Group Art Unit: 2811  
Docket No.: LML-187/704

San Jose, California  
January 30, 2003

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COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

RESPONSE TO OFFICE ACTION

Dear Sir:

This responds to the Office Action dated August 30, 2002. Please amend the above-identified application as follows.

IN THE CLAIMS

Please amend the claims as follows. The following is a clean version of the entire set of pending claims. In accordance with 37 CFR § 1.121(c)(1)(ii), Attachment A provides marked up versions of the claims containing the newly introduced changes.

1. (Amended) A light-emitting device, comprising:
- a semiconductor structure having a plurality of semiconductor layers and including an active region within said layers;
  - first and second conductive metal electrodes contacting respectively different semiconductor layers of said structure; and
  - a migration barrier for preventing migration of metal from at least one of said

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